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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/080,728	02/22/2002	Brian C. Banister	LSI-006-CIP	8379	
7590 09/14/2005			EXAMINER .		
Martin J. Jaquez, Esq. JAQUEZ & ASSOCIATES 62650 Greenwich Drive Suite 100D San Diego, CA 92122-5916			BURD, KEVIN MICHAEL		
			ART UNIT	PAPER NUMBER	
			2631 DATE MAILED: 09/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applic	ation No.	Applicant(s)				
Office Action Summary		10/080),728	BANISTER, BRIA	BANISTER, BRIAN C.			
		Exami	ner	Art Unit				
			M. Burd	2631				
Period fo	The MAILING DATE of this communica or Reply	ation appears on	the cover sheet with the	correspondence ad	ddress			
WHIC - Exter after - If NO - Failu Any r	CRTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAI sions of time may be available under the provisions of 3 (SIX (6) MONTHS from the mailing date of this communiperiod for reply is specified above, the maximum statute to reply within the set or extended period for reply will eply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF 37 CFR 1.136(a). In no ication. ory period will apply an I, by statute, cause the	THIS COMMUNICATIO be event, however, may a reply be tind d will expire SIX (6) MONTHS from application to become ABANDONE	N. mely filed n the mailing date of this o ED (35 U.S.C. § 133).	•			
Status								
1)⊠	Responsive to communication(s) filed	on <i>09 Mav 2005</i>	i					
,)⊠ This action i						
·								
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🖂)⊠ Claim(s) <u>1-45</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	<u> </u>							
6)⊠								
7)🖂								
8)□								
Applicati	on Papers							
9)[] -	The specification is objected to by the E	Examiner.						
10)⊠ The drawing(s) filed on <u>22 February 2002</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
	nder 35 U.S.C. § 119							
_	Acknowledgment is made of a claim for	foreign priority	under 35 U.S.C. § 119(a	a)-(d) or (f).				
	☐ All b)☐ Some * c)☐ None of:							
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).							
* S	ee the attached detailed Office action f	•	` ''	od				
J	oo the attached detailed Office action is	or a list of the co	named copies flot receive	eu.				
Attachment A\⊠ N:	` '							
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO	-948)	4) Interview Summary Paper No(s)/Mail D					
3) 🔯 Inform	nation Disclosure Statement(s) (PTO-1449 or PTo No(s)/Mail Date		5) Notice of Informal F		O-152)			

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Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 3/5/2004; 3/29/2004 and 5/9/2005 are being considered by the examiner.

Drawings

2. Figures 1-3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abevance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 8-13, 16-24, 34 and 35 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims comprise variables that are not defined in the claims. A definition of these variables must be found

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in the claims to distinctly claim the subject matter, which Applicant regards as his invention.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 1-6, 25-32 and 37-42 are rejected under 35 U.S.C. 102(e) as being anticipated by Harrison et al (US 6,434,366).

Regarding claim 1, 31, 37 and 41, Harrison discloses an apparatus and a method of estimating adaptive array weights used to transmit a signal to a receiver in a wireless communication system. The transceiver is shown in figure 5. A channel autocorrelation matrix is determined (column 4, lines 38-67). When a single weight is used per element, the set of weights may also be referred to as a "weight vector" (column 4, lines 12-14). Feedback from the receiver is input to the weight computer 306 in figure 5 and these weights are used to deliver the maximum power according to the correct autocorrelation matrix (column 4, lines 38-67).

Regarding claims 2, 4-6, 32 and 42, the matrix A is generated according to the auto correlation matrix as stated in column 4, lines 38-67. The transmitted signal will be

received at the receiver (subscriber unit). The subscriber unit will transmit transmitter control data to adapt the weights in the transmitter (column 4, lines 9-37).

Regarding claim 3, the communication system is a CDMA system (column 3, lines 39-42).

Regarding claims 25-30, Harrison further discloses the transmitter control data provides the base transceiver information necessary to modify the traffic channel signals in a way that enhances the gain of the antenna array for the particular location of the subscriber units (column 4, lines 1-5).

Regarding claims 38-40, the transmitting antennae are connected as shown in figure 5.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin M. Burd 9/12/2005

KEVIN BURD